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(Not for submission under 37 CFR 1.99)

Application Number	10596623
Filing Date	
First Named Inventor	REYNOLDS, ERIC CHARLES
Art Unit	
Examiner Name	
Attorney Docket Number	FREE-004

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1	ADDY et al. Effects of a Zinc Citrate Mouthwash on Dental Plaque and Salivary Bacteria. <i>Journal of Clinical Periodontology</i> , 1980, vol. 7, pp. 309-315.	<input type="checkbox"/>
2	ADDY, Rationale for chemotherapy in the treatment of periodontal disease, In: <i>Periodontology Today</i> (Guggenheim B (ed)), 1988, pp 281-289, Karger, Basel	<input type="checkbox"/>
3	BEVINS et al. Peptides from frog skin. <i>Annual Review of Biochemistry</i> , 1990, vol. 59, pp. 395-414.	<input type="checkbox"/>
4	BOMAN et al. Cell-free immunity in insects. 1987, <i>Annual Review of Microbiology</i> , vol. 41, pp. 103-126.	<input type="checkbox"/>
5	BROWN et al. Periodontal diseases in the US in 1981: Prevalence, severity, extent and role in tooth mortality. <i>Journal of Periodontology</i> , 1989, vol. 60, pp. 363-370.	<input type="checkbox"/>
6	CASTEELS et al. Apidaecins: antibacterial peptides from honeybees. <i>The EMBO Journal</i> , 1989, vol.8, pp. 2387-2391.	<input type="checkbox"/>
7	CHRISTERSSON et al. Specific subgingival bacteria and diagnosis of gingivitis and periodontitis. <i>Journal of Dental Research</i> , 1989, vol. 68, pp. 1633-1639.	<input type="checkbox"/>
8	CLARK et al. Ranalexin. A novel antimicrobial peptide from bullfrog (<i>Rana catesbeiana</i>) skin, structurally related to the bacterial antibiotic, polymyxin. <i>The Journal of Biological Chemistry</i> , 1994, vol. 269, pp. 10849-10855.	<input type="checkbox"/>
9	CORBET et al. The Role of Supragingival Plaque in the Control of Progressive Periodontal Disease-a Review. <i>Journal of Clinical Periodontology</i> 1993, vol. 20, pp. 307-313.	<input type="checkbox"/>
10	CREAMER et al. Relationship between milk protein polymorphism and physico-chemical properties. Milk Protein Polymorphism: International Dairy Federation Special Issue, 1997, vol. 9702, pp. 110-123.	<input type="checkbox"/>
11	CUMMINS et al. Delivery of Antiplaque Agents from Dentifrices, Gels, and Mouthwashes. <i>Journal of Dental Research</i> , 1992 , vol. 71, pp. 1439-1449.	<input type="checkbox"/>

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12	ELDRIDGE et al. Efficacy of an alcohol-free chlorhexidine mouthrinse as an antimicrobial agent. <i>Journal of Prosthetic Dentistry</i> , 1998, vol. 80, pp. 685-690.	<input type="checkbox"/>
13	FOLCH et al. A Simple Method for the Isolation and Purification of Total Lipides from Animal Tissues. <i>The Journal of Biological Chemistry</i> , 1957, vol. 226, pp. 497-509.	<input type="checkbox"/>
14	GIERTESEN et al. Inhibition of plaque formation and plaque acidogenicity by zinc and chlorhexidine combinations. <i>Scandinavian Journal of Dental Research</i> , 1998, vol. 96, pp. 541-550.	<input type="checkbox"/>
15	GOUMON et al. The C-terminal bisphosphorylated proenkephalin-A- (209-237)-peptide from adrenal medullary chromaffin granules possesses antibacterial activity. <i>European Journal of Biochemistry</i> , 1998, vol. 235, pp. 516-525.	<input type="checkbox"/>
16	HOGG. Chemical control of plaque. <i>Dental Update</i> , 1990, vol. 17, pp. 332-334.	<input type="checkbox"/>
17	HOPE et al. Measuring the thickness of an outer layer of viable bacteria in an oral biofilm by viability mapping. <i>Journal of Microbiological Methods</i> , 2003, vol. 54, pp. 403-410.	<input type="checkbox"/>
18	LOE. The Gingival Index, the plaque index and the retention index systems. <i>Journal of Periodontology</i> , 1976, vol. 38, pp 610-616.	<input type="checkbox"/>
19	MALKOSKI et al. Kappacin, a novel antibacterial peptide from bovine milk. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, vol. 45, pp. 2309-2315.	<input type="checkbox"/>
20	MARSH. Dentifrices containing new agents for the control of plaque and gingivitis: microbiological aspects. <i>Journal of Clinical Periodontology</i> 1991, vol. 18, pp. 462-467.	<input type="checkbox"/>
21	MIGLIORE-SAMOUR et al. Biologically active casein peptides implicated in immunomodulation. <i>Journal of Dairy Research</i> , 1989, vol. 56, pp. 357-362.	<input type="checkbox"/>
22	MOORE et al. Bacteriology of human gingivitis. <i>Journal of Dental Research</i> , 1987, vol. 66, pp. 989-995.	<input type="checkbox"/>

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23	MOR et al. Isolation and structure of novel defensive peptides from frog skin. European Journal of Biochemistry, 1994, vol. 219, pp. 145-154.	<input type="checkbox"/>
24	NIKAIKO et al. Identification and Characterization of Porins in <i>Pseudomonas-Aeruginosa</i> . Journal of Biological Chemistry, 1991, vol. 266, pp. 770-779.	<input type="checkbox"/>
25	PLOWMAN et al. Solution conformation of a peptide corresponding to bovine kappa-casein B residues 130-153 by circular dichroism spectroscopy and H-1-nuclear magnetic resonance spectroscopy. Journal of Dairy Research, 1997, vol. 64, pp. 377-397.	<input type="checkbox"/>
26	ROGERS et al. The utilisation of casein and amino acids by <i>Streptococcus sanguis</i> P4A7 in continuous culture. Journal of General Microbiology. 1990, vol. 136, pp. 2545-2550.	<input type="checkbox"/>
27	ROMEO D et al. Structure and bactericidal activity of an antibiotic dodecapeptide purified from bovine neutrophils. The Journal of Biological Chemistry, 1988, vol. 263, pp. 9573-9575.	<input type="checkbox"/>
28	SHU et al. Role of urease enzymes in stability of a 10-species oral biofilm consortium cultivated in a constant-depth film fermenter. Infection and Immunity , 2003, vol. 71, pp. 7188-7192.	<input type="checkbox"/>
29	SIMMACO et al. A family of bombinin-related peptides from the skin of <i>Bombina variegata</i> . European Journal of Biochemistry, 1991, vol. 199, pp. 217-222.	<input type="checkbox"/>
30	SMALLCOMBE et al. WET solvent suppression and its applications to LC NMR and high-resolution NMR spectroscopy. Journal of Magnetic Resonance Series A, 1995, vol. 117, pp. 295-303.	<input type="checkbox"/>
31	SMITH et al. Structural features of bovine caseinomacopeptide A and B by H-1 nuclear magnetic resonance spectroscopy. Journal of Dairy Research, 2002, vol. 69, pp. 85-94.	<input type="checkbox"/>
32	SPENCER et al. A socio-dental study of adult periodontal health: Melbourne 1985. Community Dental Health Monograph No 5, 1985, Melbourne University Press.	<input type="checkbox"/>
33	STRUB et al. Antibacterial activity of glycosylated and phosphorylated chromogranin A-derived peptide 173-194 from bovine adrenal medullary chromaffin granules. Journal of Biological Chemistry, 1996, vol. 271, pp. 28533-28540	<input type="checkbox"/>

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	34	SVEDBERG, et al. Demonstration of B-casomorphin immunoreactive materials in <i>in vivo</i> digests of bovine milk and in small intestine contents after bovine milk ingestion in adult humans. Peptides, 1985, vol. 6, pp. 825-830.	<input type="checkbox"/>
	35	TALBO et al. MALDI-PSD-MS analysis of the phosphorylation sites of caseinomacropeptide. Peptides, 2001, vol. 22, pp. 1093-1098.	<input type="checkbox"/>
	36	WILSON. Susceptibility of oral bacterial biofilms to antimicrobial agents. Journal of Medical Microbiology, 1996, vol. 44, pp. 79-87.	<input type="checkbox"/>
	37	WIIMPENNY et al. Modeling spatial gradients. Structure and function of biofilms (W. Characklis and P. Widerer (ed.)), 1989, pp. 111-127, John Wiley and Sons, Chichester.	<input type="checkbox"/>
	38	ZANETTI et al. Molecular cloning and chemical synthesis of a novel antibacterial peptide derived from pig myeloid cells. The Journal of Biological Chemistry, 1994, vol. 269, pp. 7855-7858.	<input type="checkbox"/>
	39	ZUCHT et al. Casocidin-I: a casein-alpha s2 derived peptide exhibits antibacterial activity. FEBS Letters. 1995, vol. 25,372 (2-3), pp. 185-188.	<input type="checkbox"/>

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